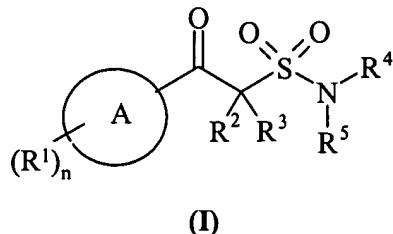


**AMENDMENTS TO THE CLAIMS****Claims**

1. (Currently Amended) The use of A method for inhibiting 11 $\beta$ HSD1, comprising administering a compound of formula (I):



wherein[[:]]

**Ring A** is selected from carbocyclyl or heterocyclyl;  
each R<sup>1</sup> is independently selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkanoyloxy, N-(C<sub>1-4</sub>alkyl)amino, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, C<sub>1-4</sub>alkanoylamino, N-(C<sub>1-4</sub>alkyl)carbamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>1-4</sub>alkylS(O)<sub>a</sub> wherein a is 0 to 2, C<sub>1-4</sub>alkoxycarbonyl, N-(C<sub>1-4</sub>alkyl)sulphamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>sulphamoyl, C<sub>1-4</sub>alkylsulphonylamino, tri-(C<sub>1-4</sub>alkyl)silyloxy, carbocyclyl, heterocyclyl, carbocyclylC<sub>0-4</sub>alkylene-Y-, and heterocyclylC<sub>0-4</sub>alkylene-Y-; wherein R<sup>1</sup> may be optionally substituted on carbon ~~by-with~~ one or more R<sup>6</sup> groups ~~selected from R<sup>6</sup>~~; and wherein if said heterocyclyl contains an -NH- moiety, that nitrogen may be optionally substituted ~~by-with~~ an R<sup>7</sup> group ~~selected from R<sup>7</sup>~~;

~~n is 0-5; wherein the values of R<sup>1</sup> may be the same or different;~~  
R<sup>2</sup> and R<sup>3</sup> are independently selected from hydrogen, hydroxy, amino, cyano, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, N-(C<sub>1-4</sub>alkyl)amino, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, carbocyclyl, heterocyclyl, carbocyclylC<sub>1-4</sub>alkyl, and heterocyclylC<sub>1-4</sub>alkyl; or R<sup>2</sup> and R<sup>3</sup> together ~~form~~ are C<sub>2-6</sub>alkylene; wherein R<sup>2</sup> and R<sup>3</sup> may be independently optionally substituted on carbon ~~by-with~~ one or more R<sup>8</sup> groups ~~selected from R<sup>8</sup>~~; and wherein if said heterocyclyl contains an -NH- moiety, that nitrogen may be optionally substituted ~~by-with~~ an R<sup>9</sup> group ~~selected from R<sup>9</sup>~~;

one of  $R^4$  and  $R^5$  is selected from  $C_{1-4}$ alkyl and the other is selected from hydrogen or and  $C_{1-4}$ alkyl; wherein  $R^4$  and  $R^5$  may be optionally substituted on carbon by with one or more  $R^{10}$  groups selected from  $R^{10}$ ;

$Y$  is selected from  $-S(O)_a-$ ,  $-O-$ ,  $-NR^{12}-$ ,  $-C(O)$ ,  $-C(O)NR^{13}-$ ,  $-NR^{14}C(O)-$ , and or  $-SO_2NR^{15}-$ ; wherein  $a$  is 0 to 2;

$R^{12}$ ,  $R^{13}$ ,  $R^{14}$  and  $R^{15}$  are independently selected from hydrogen, phenyl, and  $C_{1-4}$ alkyl;  $R^6$  and  $R^8$  are independently selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, trifluoromethyl, trifluoromethoxy,  $C_{1-4}$ alkyl,  $C_{2-4}$ alkenyl,  $C_{2-4}$ alkynyl,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkanoyl,  $C_{1-4}$ alkanoyloxy,  $N-(C_{1-4}$ alkyl)amino,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>amino,  $C_{1-4}$ alkanoylamino,  $N-(C_{1-4}$ alkyl)carbamoyl,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>carbamoyl,  $C_{1-4}$ alkylS(O)<sub>a</sub> wherein  $a$  is 0 to 2,  $C_{1-4}$ alkoxycarbonyl,  $N-(C_{1-4}$ alkyl)sulphamoyl,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>sulphamoyl,  $C_{1-4}$ alkylsulphonylamino, carbocyclyl, and heterocyclyl; wherein  $R^6$  and  $R^8$  may be independently optionally substituted on carbon by with one or more  $R^{11}$  groups;

$R^{10}$  is selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, trifluoromethyl, trifluoromethoxy,  $C_{1-4}$ alkyl,  $C_{2-4}$ alkenyl,  $C_{2-4}$ alkynyl,  $C_{1-4}$ alkoxy,  $C_{1-4}$ alkanoyl,  $C_{1-4}$ alkanoyloxy,  $N-(C_{1-4}$ alkyl)amino,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>amino,  $C_{1-4}$ alkanoylamino,  $N-(C_{1-4}$ alkyl)carbamoyl,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>carbamoyl,  $C_{1-4}$ alkylS(O)<sub>a</sub> wherein  $a$  is 0 to 2,  $C_{1-4}$ alkoxycarbonyl,  $N-(C_{1-4}$ alkyl)sulphamoyl,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>sulphamoyl, and  $C_{1-4}$ alkylsulphonylamino; wherein  $R^{10}$  may be independently optionally substituted on carbon by with one or more  $R^{16}$  groups;

$R^7$  and  $R^9$  are independently selected from  $C_{1-4}$ alkyl,  $C_{1-4}$ alkanoyl,  $C_{1-4}$ alkylsulphonyl,  $C_{1-4}$ alkoxycarbonyl, carbamoyl,  $N-(C_{1-4}$ alkyl)carbamoyl,  $N,N-(C_{1-4}$ alkyl)<sub>2</sub>carbamoyl, benzyl, benzyloxycarbonyl, benzoyl, and phenylsulphonyl;

$R^{11}$  and  $R^{16}$  are independently selected from halo, nitro, cyano, hydroxy, trifluoromethoxy, trifluoromethyl, amino, carboxy, carbamoyl, mercapto, sulphamoyl, methyl, ethyl, methoxy, ethoxy, acetyl, acetoxy, methylamino, ethylamino, dimethylamino, diethylamino,  $N$ -methyl- $N$ -ethylamino, acetylamino,  $N$ -methylcarbamoyl,  $N$ -ethylcarbamoyl,  $N,N$ -dimethylcarbamoyl,  $N,N$ -diethylcarbamoyl,  $N$ -methyl- $N$ -ethylcarbamoyl, methylthio, ethylthio, methylsulphinyl, ethylsulphinyl, mesyl, ethylsulphonyl, methoxycarbonyl, ethoxycarbonyl,  $N$ -methylsulphamoyl,  $N$ -ethylsulphamoyl,  $N,N$ -dimethylsulphamoyl,  $N,N$ -diethylsulphamoyl, and or  $N$ -methyl- $N$ -ethylsulphamoyl;

or a pharmaceutically acceptable salt thereof;  
~~in the manufacture of a medicament for use in the inhibition of 11 $\beta$ HSD1.~~

2. (Currently Amended) The use A method according to claim 1 wherein Ring A is selected

from pyridyl, phenyl, thienyl, furyl, pyrazinyl, 1,2,3-thiadiazolyl, thiazolyl, cyclohexyl, naphthyl, cyclohexenyl, pyrazolyl, benzothienyl, indolyl, 1,1,3-trioxo-2,3-dihydro-1,2-benzisothiazolyl, 1,3-benzodioxolyl, cyclopentyl, tetrahydropyranyl, 1-oxooctahydropyrido[1,2-a]pyrazinyl, 1,2,3,4-tetrahydronaphthyl, piperidinyl, and benzthiazolyl.

3. (Currently Amended) The use A method according to ~~either of~~ claims 1-~~or~~2 wherein

each R<sup>1</sup> is independently selected from halo, nitro, cyano, sulphamoyl, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkanoyl, tri-(C<sub>1-4</sub>alkyl)silyloxy, carbocyclyl, and heterocyclylC<sub>0-4</sub>alkylene-Y-; wherein R<sup>1</sup> may be optionally substituted on carbon ~~by~~with one or more R<sup>6</sup> groups selected from R<sup>6</sup>; wherein

Y is -NR<sup>12</sup>-;

R<sup>12</sup> is hydrogen; and

R<sup>6</sup> is selected from halo, C<sub>2-4</sub>alkenyl, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkanoylamino, and carbocyclyl.

4. (Currently Amended) The use A method according to ~~any one of~~ claims 1,-4 wherein n is

~~0-2; wherein the values of R<sup>4</sup> may be the same or different.~~

5. (Currently Amended) The use A method according to ~~any one of~~ claims 1,-5 wherein R<sup>2</sup>

and R<sup>3</sup> are independently selected from hydrogen ~~or and~~ C<sub>1-4</sub>alkyl[[,]]; or R<sup>2</sup> and R<sup>3</sup> together form are C<sub>2-6</sub>alkylene.

6. (Currently Amended) The use A method according to ~~any one of~~ claims 1,-6 wherein ~~one~~

~~R<sup>4</sup> and R<sup>5</sup> is selected from hydrogen and C<sub>1-4</sub>alkyl and the other is selected from C<sub>1-4</sub>alkyl;~~

~~wherein R<sup>4</sup> and R<sup>5</sup> may be optionally substituted on carbon by one or more groups selected from R<sup>10</sup>; and~~

~~R<sup>10</sup> is selected from C<sub>1-4</sub>alkoxy and N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino.~~

7. (Currently Amended) ~~The~~ of a A method of compound of formula (I) (as depicted in claim 1,)

wherein[[::]]

Ring A is selected from carbocyclyl or and heterocyclyl;  
each R<sup>1</sup> is independently selected from halo, nitro, cyano, sulphamoyl, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkanoyl, tri-(C<sub>1-4</sub>alkyl)silyloxy, carbocyclyl, and heterocyclylC<sub>0-4</sub>alkylene-Y-; wherein R<sup>1</sup> may be optionally substituted on carbon by-with one or more R<sup>6</sup> groups selected from R<sup>6</sup>; wherein:

Y is -NR<sup>12</sup>-;

R<sup>12</sup> is hydrogen; and

R<sup>6</sup> is selected from halo, C<sub>2-4</sub>alkenyl, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkanoylamino, and carbocyclyl; n is 0-3; ~~wherein the values of R<sup>1</sup> may be the same or different;~~  
R<sup>2</sup> and R<sup>3</sup> are independently selected from hydrogen or and C<sub>1-4</sub>alkyl, or R<sup>2</sup> and R<sup>3</sup> together form are C<sub>2-6</sub>alkylene;

one of R<sup>4</sup> and R<sup>5</sup> is selected from hydrogen and C<sub>1-4</sub>alkyl and the other is selected from C<sub>1-4</sub>alkyl; wherein R<sup>4</sup> and R<sup>5</sup> may be optionally substituted on carbon by-with one or more R<sup>10</sup> groups selected from R<sup>10</sup>; and

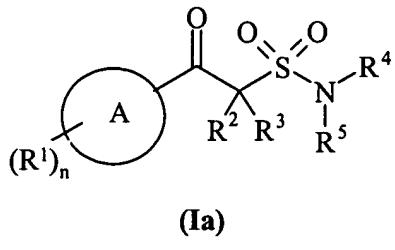
R<sup>10</sup> is selected from C<sub>1-4</sub>alkoxy and N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino;  
or a pharmaceutically acceptable salt thereof;

~~in the manufacture of a medicament for use in the inhibition of 11 $\beta$ HSD1.~~

8. (Currently Amended) A compound of formula (I) as depicted in claim 1 selected from:

(4-fluorophenyl)[N-(2-methoxyethyl)-N-(methyl)sulphamoylmethyl]ketone;  
(2,4-difluorophenyl)[1-(N,N-diisopropylsulphamoyl)-1methylethyl]ketone;  
(2,4-difluorophenyl)(N,N-diisopropylsulphamoylmethyl)ketone;  
(thiazol-2-yl)(N,N-dimethylsulphamoylmethyl)ketone;  
(4-fluorophenyl)[N-(2-isopropoxyethyl)-N-(isopropyl)sulphamoylmethyl]ketone;  
(pyrazin-2-yl)(N,N-dimethylsulphamoylmethyl)ketone;  
(4-isopropoxyphenyl)(N,N-diisopropylsulphamoylmethyl)ketone;  
(3-cyanophenyl)(N,N-diisopropylsulphamoylmethyl)ketone; and  
(pyrid-2-yl)(N,N-dimethylsulphamoylmethyl)ketone;  
or a pharmaceutically acceptable salt thereof.

## 9. (Currently Amended) A compound of formula (Ia):



wherein[[:]]

**Ring A** is selected from phenyl, pyridyl, thiazolyl, thienyl, and furyl;  
each R<sup>1</sup> is independently selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkanoyloxy, N-(C<sub>1-4</sub>alkyl)amino, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, C<sub>1-4</sub>alkanoylamino, N-(C<sub>1-4</sub>alkyl)carbamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>1-4</sub>alkylS(O)<sub>a</sub> wherein a is 0 to 2, C<sub>1-4</sub>alkoxycarbonyl, N-(C<sub>1-4</sub>alkyl)sulphamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>sulphamoyl, and C<sub>1-4</sub>alkylsulphonylamino; wherein R<sup>1</sup> may be optionally substituted on carbon by-with one or more R<sup>6</sup> groups selected from R<sup>6</sup>; and wherein if said heterocyclyl contains an -NH- moiety, that nitrogen may be optionally substituted by-with an R<sup>7</sup> group selected from R<sup>7</sup>;

n is 0-3; wherein the values of R<sup>1</sup> may be the same or different;  
R<sup>2</sup> and R<sup>3</sup> are independently selected from hydrogen, hydroxy, amino, cyano, C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkoxy, N-(C<sub>1-4</sub>alkyl)amino, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, carbocyclyl, heterocyclyl, carbocyclylC<sub>1-4</sub>alkyl, and heterocyclylC<sub>1-4</sub>alkyl; wherein R<sup>2</sup> and R<sup>3</sup> may be independently optionally substituted on carbon by-with one or more R<sup>8</sup> groups selected from R<sup>8</sup>; and wherein if said heterocyclyl contains an -NH- moiety, that nitrogen may be optionally substituted by-with an R<sup>9</sup> group selected from R<sup>9</sup>;

R<sup>4</sup> and R<sup>5</sup> are independently selected from C<sub>1-4</sub>alkyl; wherein R<sup>4</sup> and R<sup>5</sup> may be optionally substituted on carbon by-with one or more R<sup>10</sup> groups selected from R<sup>10</sup>;

R<sup>6</sup> and R<sup>8</sup> are independently selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, trifluoromethyl, trifluoromethoxy, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkanoyloxy, N-(C<sub>1-4</sub>alkyl)amino, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, C<sub>1-4</sub>alkanoylamino, N-(C<sub>1-4</sub>alkyl)carbamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>1-4</sub>alkylS(O)<sub>a</sub> wherein a is 0 to 2, C<sub>1-4</sub>alkoxycarbonyl, N-(C<sub>1-4</sub>alkyl)sulphamoyl,

*N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>sulphamoyl, and C<sub>1-4</sub>alkylsulphonylamino; wherein R<sup>6</sup> and R<sup>8</sup> may be independently optionally substituted on carbon by with one or more R<sup>11</sup> groups;*

**R<sup>10</sup>** is selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, trifluoromethyl, trifluoromethoxy, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>1-4</sub>alkoxy, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkanoyloxy, *N-(C<sub>1-4</sub>alkyl)amino, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>amino, C<sub>1-4</sub>alkanoylamino, N-(C<sub>1-4</sub>alkyl)carbamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>carbamoyl, C<sub>1-4</sub>alkylS(O)<sub>a</sub> wherein a is 0 to 2, C<sub>1-4</sub>alkoxycarbonyl, N-(C<sub>1-4</sub>alkyl)sulphamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>sulphamoyl, and C<sub>1-4</sub>alkylsulphonylamino; wherein R<sup>10</sup> may be independently optionally substituted on carbon by with one or more R<sup>16</sup> groups;*

**R<sup>7</sup>** and **R<sup>9</sup>** are independently selected from C<sub>1-4</sub>alkyl, C<sub>1-4</sub>alkanoyl, C<sub>1-4</sub>alkylsulphonyl, C<sub>1-4</sub>alkoxycarbonyl, carbamoyl, *N-(C<sub>1-4</sub>alkyl)carbamoyl, N,N-(C<sub>1-4</sub>alkyl)<sub>2</sub>carbamoyl, benzyl, benzyloxycarbonyl, benzoyl, and phenylsulphonyl;*

**R<sup>11</sup>** and **R<sup>16</sup>** are independently selected from halo, nitro, cyano, hydroxy, trifluoromethoxy, trifluoromethyl, amino, carboxy, carbamoyl, mercapto, sulphamoyl, methyl, ethyl, methoxy, ethoxy, acetyl, acetoxy, methylamino, ethylamino, dimethylamino, diethylamino, *N-methyl-N-ethylamino, acetylamino, N-methylcarbamoyl, N-ethylcarbamoyl, N,N-dimethylcarbamoyl, N,N-diethylcarbamoyl, N-methyl-N-ethylcarbamoyl, methylthio, ethylthio, methylsulphanyl, ethylsulphanyl, mesyl, ethylsulphonyl, methoxycarbonyl, ethoxycarbonyl, N-methylsulphamoyl, N-ethylsulphamoyl, N,N-dimethylsulphamoyl, N,N-diethylsulphamoyl, and or N-methyl-N-ethylsulphamoyl;*  
or a pharmaceutically acceptable salt thereof;  
with the proviso that said compound is not (*N-methyl-N-butylsulphamoylmethyl*)(phenyl)ketone; [*1-(N,N-dimethylsulphamoyl)ethyl*](phenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(4-nitrophenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(4-fluoro-2-methylaminophenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(3-methoxy-4-methyl-6-aminophenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(3-methoxy-6-aminophenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(phenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(2-nitro-4-methoxyphenyl)ketone; (*N,N-dimethylsulphamoylmethyl*)(2-amino-4-methoxyphenyl)ketone; [*1-(N-methyl-N-butylsulphamoyl)ethyl*](phenyl)ketone; or (*N,N-dimethylsulphamoylmethyl*)(thien-2-yl)ketone.

10. (Currently Amended) A pharmaceutical composition which comprises a compound of

~~formula (I) or (Ia), or a pharmaceutically acceptable salt thereof, as claimed in either of claims 8 or 9 in association with a pharmaceutically[[ -]] acceptable diluent or carrier.~~

11-13. (Cancelled).

14. (Currently Amended) ~~The useA method for the treatment of a metabolic syndrome, comprising inhibiting 11 $\beta$ HSD1 according to claim 1-of a compound as claimed in any one of claims 1-7 or 13 wherein production of, or producing an, 11 $\beta$ HSD1 inhibitory effect refers to the treatment of metabolic syndrome.~~

15. (Currently Amended) ~~The useA method for the treatment of diabetes, obesity, hyperlipidaemia, hyperglycaemia, hyperinsulinemia or hypertension, comprising inhibiting 11 $\beta$ HSD1 according to claim 1-of a compound as claimed in any one of claims 1-7 or 13 wherein production of, or producing an, 11 $\beta$ HSD1 inhibitory effect refers to the treatment of diabetes, obesity, hyperlipidaemia, hyperglycaemia, hyperinsulinemia or hypertension, particularly diabetes and obesity.~~

16. (Currently Amended) ~~The useA method for the treatment of glaucoma, osteoporosis, tuberculosis, dementia, cognitive disorders or depression, comprising inhibiting 11 $\beta$ HSD1 according to claim 1-of a compound as claimed in any one of claims 1-7 or 13 wherein production of, or producing an, 11 $\beta$ HSD1 inhibitory effect refers to the treatment of glaucoma, osteoporosis, tuberculosis, dementia, cognitive disorders or depression.~~

17. (Cancelled).